

|   |                                     |   |                          |   |   |                           |                          |                          |                          |                          |
|---|-------------------------------------|---|--------------------------|---|---|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| LOCKHEED AIRCRAFT CORP.   |                                     | ENGINEERING STUDY <input type="checkbox"/>  |                          | CHANGE PROPOSAL <input checked="" type="checkbox"/> |   | LAC - 33                  |                          |                          |                          |                          |
| DATE 6-4-59   |                                     | AFFECTS : WSPO <input checked="" type="checkbox"/>  |                          | PROJECT <input checked="" type="checkbox"/>         |   |                           |                          |                          |                          |                          |
| NAME OF MAJOR COMPONENT<br>SHIP'S WIRING  |                                     | PART OR LOWEST SUBASSEMBLY<br>ELECT. HARNESS - L.H. SIDE<br>FS555-FSL49   |                          | PART NO. & MODEL OR TYPE<br>-                       |   |                           |                          |                          |                          |                          |
| TITLE OF PROPOSAL :<br>REPLACEMENT WIRING AND HEAT SHIELD - ENGINE COMPT.   |                                     |   |                          |   |   |                           |                          |                          |                          |                          |
| NATURE OF PROPOSAL :<br>1. INSPECT WIRING IN HARNESS RUN L.H. SIDE FUSELAGE BETWEEN F.S. 555 AND F.S. 449<br>2. INSTALL HEAT SHIELD PER DWG. RS 29 (REF. SB 402).<br>3. IF INSPECTION OF WIRING REVEALS BURNED INSULATION, REPLACE WIRING WITH RS 28 HARNESS (REF: SB 403)<br>4. PREPARE AND ISSUE SERVICE BULLETINS 402 & 403.<br>5. FABRICATE KITS FOR SB 402, FOR ALL ARTICLES.<br>6. FABRICATE KITS FOR SB 403, AS REQUIRED.<br>*7. WE ARE PROCEEDING ON ALL SB 402 KITS (BOTH CUSTOMERS) AND TEN (10) SB 403 KITS FOR CUST. NO. 2 IN ADVANCE OF WRITTEN APPROVAL. SUBSEQUENT SB 403 KITS MAY BE ORDERED BY THE DEPOTS IN DESIRED QUANTITIES. |                                     |   |                          |   |   |                           |                          |                          |                          |                          |
| REASON FOR PROPOSAL :<br>TO PROVIDE THERMAL PROTECTION FROM ENGINE HEAT WHICH MAY CAUSE THE INSULATION ON THE WIRES IN THE HARNESS TO BECOME BRITTLE AND DETERIORATE. IF THE WIRES ARE NOT YET HEAT DAMAGED, INCORPORATION OF THE HEAT SHIELD WILL PRECLUDE EVENTUAL DAMAGE, THE REPLACEMENT HARNESS WILL PRECLUDE ANY ELECTRICAL FAILURE.  |                                     |   |                          |   |   |                           |                          |                          |                          |                          |
| ES  |                                     | ESTIMATED COST AND TIME INVOLVED : -  |                          |   |   |                           |                          |                          |                          |                          |
|   |                                     | ADDITIONAL FUNDING REQUIRED : -   |                          |   |   |                           |                          |                          |                          |                          |
| CP  |                                     | ESTIMATED COST FOR KITS OR PARTS : SB 402 @ \$20 per KIT - SB 403 @ \$125 per KIT.  |                          |   |   |                           |                          |                          |                          |                          |
|   |                                     | ADDITIONAL FUNDING REQUIRED : NONE (SP1917) CUST. NO. 1 - \$260 PLUS SB 403 AS REQ'D.<br>CUST. NO. 2 - \$1830 PLUS ADD'L SB 403 AS REQ'D. |                          |   |   |                           |                          |                          |                          |                          |
| ITEMS AFFECTED BY PROPOSAL :  |                                     |   |                          |   |   |                           |                          |                          |                          |                          |
| SAFETY  | MISSION EFFEC- TIVENESS             | PERFORM- ANCE   | OPERATING PROCEDURE      | INTER- CHANGE- ABILITY                              | WEIGHT OR WEIGHT & BALANCE  | TOOLS & SUPPORT EQUIPMENT | MAINTENANCE PROCEDURE    | SERVICE LIFE             | FLIGHT MANUAL            | MAINTENANCE MANUAL       |
| <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>                            | <input type="checkbox"/>  | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD 30 HRS. (EXCLUDING ENGINE REMOVAL)   |                                     |   |                          |   |   |                           |                          |                          |                          |                          |
| SOURCE OF PARTS FOR KIT<br>LAC  |                                     |   |                          |   | AVAILABILITY * WEEKS AFTER APPROVAL<br>SHIPPING 6 EA. SB 402 AND 2 EA SB 403<br>TO LAFB ON 8 JUNE, BALANCE IN 1 WEEK. |                           |                          |                          |                          |                          |
| DISPOSITION OF SPARES AFFECTED<br>NONE  |                                     |   |                          |   |   |                           |                          | STATINTL                 |                          |                          |
| INITIATED BY :<br>LAC   |                                     |   |                          |   | APPROVED : WSPO   |                           |                          |                          |                          |                          |

6/12/59